

1. Media broadcasting system comprising at least one client application (4) and a broadcasting engine (9), characterized in that the client application comprises:
  - generating means for generating at least one drop-down list (22, 23, 24), this drop-down list comprising at least one media object intended for broadcasting,
  - transmission means for transmitting the drop-down list to the broadcasting engine (9),and in that the broadcasting engine (9) comprises:
  - a broadcasting session (12, 13, 14) comprising a management module (16) capable of receiving the drop-down list coming from the client application (4) and of inserting that drop-down list in a main list (26) comprising a plurality of drop-down lists, and a broadcasting module (17) capable of broadcasting the content of that main list by means of a media broadcasting device (5, 6, 7),
  - a supervision module (10) for authenticating a client application (4) wishing to access the broadcasting engine and for opening at least one broadcasting session (12, 13, 14) if appropriate, and
  - a reference clock (11) for synchronizing all of the components of the broadcasting engine.

2. System according to claim 1, characterized in that the broadcasting engine and the client application are disposed in two separate processing units (1, 2) communicating according to a communication protocol for communication networks such as the Internet protocol (IP).

3. System according to claim 1 or 2, characterized in that the broadcasting engine comprises means for opening

a plurality of different broadcasting sessions, each one being dedicated to a predetermined type of media.

4. System according to any one of the preceding claims,  
5 characterized in that the first media object in the drop-down list contains an absolute start time corresponding to the time of its broadcasting, this absolute start time being a number of microseconds obtained with respect to a predetermined time origin.

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5. System according to claim 4, characterized in that the predetermined time origin is the first of January of a given year, and the absolute start time is an integer in 64 bits.

15 6. System according to claim 4 or 5, characterized in that the management module comprises means for determining the duration of each media object and the absolute start time of that media object.

20 7. System according to any one of the preceding claims, characterized in that each media object comprises a numerical value corresponding to its broadcasting position within the drop-down list.

25 8. System according to claim 7, characterized in that each numerical value is a floating point number.

9. System according to claim 7 or 8, characterized in that, for a drop-down list comprising a plurality of media objects,  
30 the numerical values corresponding to the broadcasting positions do not form a series.

10. System according to any one of the preceding claims, characterized in that each drop-down list comprises a unique  
35 identification number.

11. System according to any one of the preceding claims, characterized in that the broadcasting session comprises means (19) for encoding any media object according to a predetermined broadcasting standard.

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12. System according to any one of the preceding claims, characterized in that the management module comprises means for substituting all or part of a media object in the main list by another media object.

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13. System according to any one of the preceding claims, characterized in that the broadcasting engine comprises a list of drivers (18) from which the client application chooses a driver according to the media object contained in the 15 drop-down list transmitted to the broadcasting engine.

14. System according to any one of the preceding claims, characterized in that the supervision module comprises means capable of opening a broadcasting session associated with a 20 broadcasting device consisting of an audio broadcasting card.

15. System according to any one of the preceding claims, characterized in that the supervision module comprises means capable of opening a broadcasting session associated with a 25 broadcasting device consisting of a video broadcasting card.

16. System according to any one of the preceding claims, characterized in that the supervision module comprises means capable of opening a broadcasting session associated with a 30 broadcasting device consisting of a fireworks transmitter.

17. System according to any one of the preceding claims, characterized in that the supervision module comprises means capable of opening a broadcasting session associated with a broadcasting device consisting of a laser projector.

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18. Method of broadcasting media between at least one client application and a broadcasting engine, characterized in that it comprises the following steps in the client application:

10           - generation of at least one drop-down list, this drop-down list comprising at least one media object intended for broadcasting,

15           - transmission of the drop-down list to the broadcasting engine,

and in that it comprises the following steps in the broadcasting engine:

20           - reception of the drop-down list by a management module and insertion of that drop-down list in a main list comprising a plurality of drop-down lists,

25           - broadcasting the content of that main list by a broadcasting module by means of a media broadcasting device,

30           - authentication, by a supervision module, of a client application wishing to access the broadcasting engine and opening of at least one broadcasting session if appropriate, this session comprising, in particular, the management module and the broadcasting module, and

35           - synchronisation of all of the components of the broadcasting engine with respect to a reference clock.

19. Method according to claim 18, characterized in that the client application accesses a broadcasting session only after being validly identified in the supervision module.

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20. Method according to claim 18 or 19, characterized in that when the client application is connected to the management module, the broadcasting engine transmits a list containing all of the available drivers, the client application then 10 transmits the drop-down list accompanied by drivers suitable for the broadcasting of the media objects in the drop-down list.

21. Method according to any one of claims 18 to 20, 15 characterized in that the management module inserts the drop-down list in the main list in response to a command coming from the client application.

22. Method according to any one of claims 18 to 20, 20 characterized in that, at the time of the transmission of the drop-down list to the broadcasting engine, the client application also transmits at least one absolute start time corresponding to the time of broadcasting of the first media object in the drop-down list, this absolute start time being a 25 number of microseconds obtained with respect to a predetermined time origin.

23. Method according to claim 22, characterized in that at the time of the insertion of the drop-down list in the main list, 30 the management module determines the duration and the absolute start time of each media object.